



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

Minutes of the 16th Building & Works Committee, National Institute of Technology, Rourkela held at 09.30 AM on 15.06.2012 (Friday) in the Board Room of the Institute.

Members Present:

- | | | |
|--|-----|-----------|
| 1. Prof. Sunil Kr. Sarangi, Director
N.I.T., Rourkela. | ... | Chairman, |
| 2. Mrs. Vandana Chaudhury
Section Officer, MHRD, New Delhi | ... | Member |
| 3. Prof. R. K. Rahoo,
Mechanical Engineering
Professor, NIT Rourkela | ... | Member |
| 4. Prof. S. K. Sahoo,
Dean(PD), Civil Engg., NIT., Rourkela. | ... | Member |
| 5. Shri S. K. Upadhyay, Registrar, NIT, Rourkela | ... | Secretary |

Members Absent:

- | | | |
|--|-----|--------|
| 14. Shri Ajaya Kr. Nayak, DGM
Civil Engineering, Town Engineering Department,
SAIL, RSP, Rourkela. | ... | Member |
| 15. Shri Vinod Kr Shrivastava, DGM
Refrigeration & Air Conditioning, RSP.,
SAIL, RSP, Rourkela | ... | Member |

Invitees Present:

- | | | |
|---|-----|---------|
| 6. Shri U. Mishra
Executive Engineer, PWD, Rourkela | ... | Invitee |
| 7. Prof. Sarat Kr. Das
PIC, Civil Construction, NIT Rourkela | ... | Invitee |
| 8. Prof. K. C. Biswal,
PIC, Civil Maint., NIT., Rourkela | ... | Invitee |
| 9. Prof. A.K. Panda,
VP, Civil Engg., NIT Rourkela. | ... | Invitee |
| 10. Prof. A. K. Sahoo
VP, Civil Engineering Dept., NIT Rourkela | ... | Invitee |
| 11. Mr. S. P. Mohaptra,
EE (Civil), Estate Office, NIT Rourkela. | ... | Invitee |

Invitees Absent:

- | | | |
|---|-----|---------|
| 14. Er. R.C. Mishra
Superintending Engineer, CPWD, Bhubaneswar | ... | Invitee |
| 17. Prof. Chitti Babu
PIC ,Electrical Maint., NIT Rourkela. | ... | Invitee |

Leave of absence was approved for all members absent.

A) GENERAL AND PROCEDURAL MATTERS.

BWC:16(2012)- 01: Welcome to the members by the Chairman.

Chairman, Building & Works Committee welcomed all the members.

BWC:16(2012)-02: Confirmation of the minutes of the 15th Meeting of the BWC held on 17.02.2012.

The minutes of the 15th Meeting were sent to the members vide letter No.NITR/2012/BWC-15/107, Dt.07.03.2012. No comments were received on the correctness of recording of the minutes.

BWC confirmed the minutes of the 15th Meeting of the BWC held on 17.02.2012.

BWC:16(2012)-03: To report on the action taken on the decisions made in the 15th Meeting of BWC held on 17.02.2012 and to discuss matters arising out of the minutes:

The report on the action taken on the decisions made in the 15th Meeting of the BWC held on 17.02.2012 is presented for BWC's consideration.

BWC noted the above. Comments received from Supdt. Engineer, CPWD, Bhubaneswar are attached in the Annexure. The response of Director and decision taken are enclosed.

[Annexure-A1 & A2, Page No.14-16 & 17-19]

B) REVIEW OF ONGOING PROJECTS:

BWC:16(2012)-04: Review of ongoing Civil Projects:

A report on the progress of ongoing Civil Projects is enclosed for perusal of the Committee.

All the ongoing civil projects were reviewed. BWC expressed concern over the delay in completion of some projects. It noted the constraints and was satisfied that the delays are inevitable under the circumstances.

[Annexure-A3, Page No.20-23]

BWC:16(2012)-05: Review of ongoing Electrical Projects:

A report on the progress of ongoing Electrical Projects was presented and BWC noted the above. BWC expressed concern over the delay in completion of some projects. It noted the constraints and was satisfied that the delays are inevitable under the circumstances.

[Annexure-A4, Page No.24-26]

BWC:16(2012)-06: Proposal for Appointment of Architects.

Prequalification applications have been invited from leading Architects for providing comprehensive architectural services for the following projects to be taken up in NIT.

Item No.	Name of Project	Approx. Built up Area
1.	Master Plan of the Institute (covering made up levels of every area, roads, buildings, ICT, electrical, water, sewerage, green technologies etc.)	260 hectare
2.	Renovation of existing academic buildings (improvement in the light of availability of new materials and new standards).	40,000 sqm.
3.	Undergraduate Laboratory Complex (4 storeyed buildings).	12,000 sqm.
4.	Student Activity Centre (4 storeyed building to contain Indoor Stadium, gymnasium, offices of clubs& societies, canteens, stationery shop, ATM, barber shop, lots of open space, etc.).	10,000 Sqm
5.	Civil Engineering Department Building (4 storeyed buildings).	8,000 sqm
6.	Other smaller buildings and structures	

The task includes comprehensive architectural services, i.e. designs, drawings including detailed construction drawings and preliminary estimates of cost.

In response to the advertisement in News papers and NIT Website, offers from Architects have been received as given the Annexure.

Preparation of Comparative Statement showing their organization, volume of business done during last 3 years, experience etc, for the above Architectural firms is in progress. Thereafter, the firms will be asked to give presentation of their works executed by them in front of a duly constituted committee, based on which selection of Architect will be done, following the Government of India guidelines.

The BWC advised the administration to constitute a committee for scrutinizing proposals and appointing the Architects.

The following composition of the committee was approved by BWC:

- 1) *Prof. R. K. Banerji, former Professor of Architecture and Dy. Director, IIT, Kharagpur.*
- 2) *Prof. Joydip Burman, Professor of Architecture, IIT, Kharagpur.*
- 3) *Prof.(Mrs) Sanghamitra Basu, IIT, Kharagpur*
- 4) *Professor, Architecture, NIT, Nagpur to be deputed by Director, NIT, Nagpur.*
- 5) *Professor, Architecture, BIT Mesra, Ranchi to be deputed by Director, BIT, Mesra.*
- 6) *Prof. Sanchit, NIT, Delhi*

If any of the members is unavailable, Chairman, BWC may chose another expert of comparable standing under intimation to the Chairman, BOG.

[Annexure-A5, Page No.27-39

BWC:16(2012)-07: Construction of 5 MLD Water treatment plant

As per the advertisement in News papers and NIT website, offers are invited for the above work on turnkey basis in 3 parts (i.e. EMD, Techno commercial and price bid).

With reference to the above, a prebid conference was held on 29.05.2012 wherein the following firms participated and some firms sought clarifications:

- i) M/s Flowmore Ltd, Ranchi
- ii) M/s K. C. Sahu, Rourkela
- iii) M/s JUSCO Ltd. Jamshedpur
- iv) M/s Aqua Designs, Chennai
- v) M/s Aireft Waterer
- vi) M/s Kesari Chemical Industries.

Points raised by the contractors in pre-bid conference have been clarified and the confirmation letters were sent to them. The bid opening date has been fixed on 19.06.2012.

The BWC noted the above.

BWC:16(2012)-08: Approval for BOQ and Estimate for Tender.

Causeway cum bridge at Road No- 2 & 3.

TECHNICAL DETAILS

- 1. Existing Built up Area :** N/A
- 2. Increase Built up Area :** N/A
- 3. Technical Specifications :**
 - 3.1. Type of Foundation :** RCC columns with RCC raft foundation.
 - 3.2. Superstructure :** RCC abutment wall, piers & RCC slab.
 - 3.3. Brickwork :** Brick work in cement mortar 1:6 in wing wall.
 - 3.4. Flooring :** NIL
 - 3.5. Door / Window :** NIL
 - 3.6. Finishing :** Cement plaster in cement mortar 1:6 & white washing on exposed structures, dry stone pitching on the sides of banks.
 - 3.7. Internal PH/SI :** N/A
 - 3.8. Extension PH/SI :** N/A
 - 3.9. Total Estimated Cost :** Rs. 42,08,300.00

Details are enclosed in Annexure.

The BWC approved the proposal.

[Annexure-A6, Page No. 40-46]

BWC:16(2012)-09: Approval of Tender for Award of work:

1) EXTENSION OF CERAMIC ENGINEERING DEPARTMENT BUILDING.

Existing Built up Area	=	896.470 sqm.
Increase in Built up Area	=	2509.600 sqm
Total estimated cost	=	Rs. 3,98,51,312.67

In response to the advertisement in News papers and NIT website, offers from the following three firms were received:

- i) M/s ZA Construction, Rourkela
- ii) M/s P. D. Agarwal, Raipur
- iii) M/s S. P. Padhi, Burla

After opening the techno-commercial bids, it is observed that all the above mentioned firms are technically qualified. Then the price bids were opened.

It is observed that M/s P. D. Agarwal have become L₁ at a total price of Rs. 3,98,51,312.67 against the estimated price of Rs. 3,98,51,312.67, which is at par with our estimate. The members of the committee recommend to award the work to M/s P. D. Agarwal at a value of Rs. 3,98,51,312.67.

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

2. EXTENSION OF MINING ENGINEERING DEPARTMENT BUILDING.

Existing Built up Area	=	1726.05 sqm
Increase in Built up Area	=	1901.86 sqm
Total estimated cost	=	Rs.3,05,05,055.10

In response to the advertisement in News papers and NIT website, the offers from the following three firms were received:

- i) M/s ZA Construction, Rourkela
- ii) M/s P. D. Agarwal, Raipur
- iii) M/s S. P. Padhi, Burla

After opening techno commercial bids, it is observed that all the above mentioned firms are technically qualified. Then the price bids were opened.

It is observed that M/s P. D. Agarwal have become L₁ at a total price of Rs. 3,05,05,055.10 against the estimated price of Rs. 3,05,05,055.10, which is at par with our estimate.

The members of the committee recommend to award the work to M/s P. D. Agarwal at a value of Rs. 3,05,05,055.

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

3. CONSTRUCTION OF 1ST FLOOR INCLUDING FINISHING WORK OF GROUND FLOOR, COOLING TOWER, SUPPORTING STRUCTURE ETC. FOR THE AC PLANT BUILDING.

Existing Built up Area	=	125.64 sqm
Increase in Built up Area	=	127.85 sqm
Total estimated cost	=	Rs. 1,23,86,596.25.

In response to the advertisement in news papers and NIT website, offers from the following five firms were received:

- i) M/s Pioneer Industries, Rourkela.
- ii) M/s S. K. Mohanty, Rourkela
- iii) M/s P. K. Rout, Rourkela
- iv) M/s A. K. Mohanty, Rourkela
- v) M/s Makhanlal Agarwal, Chakradharpur

The members of the Committee opened the envelopes containing the EMDs and observed that all the above mentioned firms have submitted required amount of EMD except M/s Pioneer Industries.

The members of the Committee opened the envelopes containing the Techno Commercial Offers. The Committee felt to prepare a Comparative Statement (Technical) indicating their experience, value of the works executed during last 3 years etc. It is found that M/s Pioneer Industries have not submitted EMD along with tender and as such are not considered for opening of the price bid. Similarly M/s A. K. Mohanty and M/s S. K. Mohanty are not fulfilling the eligibility criteria stipulated in the Tender and as such are not qualified for the above work. It is found that only M/s P. K. Rout and M/s M. K. Agarwal are technically qualified for the above work. Then the price bids were opened.

It is observed that M/s P. K. Rout have become L₁ at a total price of Rs. 1,21,07,897.83 against the estimated price of Rs. 1,23,86,596.25., which is 2.25% below the estimate.

The members of the committee recommend to award the work to M/s P. K. Rout at a total price of Rs. 1,21,07,897.83.

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

4. ADDITION & ALTERATION OF CAMPUS HIGH SCHOOL BUILDING.

Existing Built up Area	=	1079.32 sqm.
Increase in Built up Area	=	999.10 sqm
Total estimated cost	=	Rs. 85,00,481.93.

In response to the advertisement in news papers and NIT website, offers from the following six firms were received:

- i) M/s S. Regional Construction & Company, Ranchi
- ii) M/s S. K. Mohanty, Rourkela
- iii) M/s Indian Projects Associates, Rourkela
- iv) M/s A. K. Mohanty, Rourkela
- v) M/s Sanjib Kumar Nayak, Rourkela
- vi) M/s Nirmana Construction, Rourkela.

The members of the Committee observed that M/s S. Regional Construction & Company, M/s Indian Projects Associates, M/s A. K. Mohanty & M/s Nirmana Construction are technically qualified for the above work. M/s Sanjiv Kumar Nayak has not submitted the required documents like Work Order, Progress Certificate etc. with the Techno Commercial bid. Hence he is not fulfilling the eligibility criteria stipulated in the Tender and as such are not technically qualified for the above work. Similarly M/s S. K. Mohanty is also not technically qualified for the work as not fulfilling the eligibility criteria.

Considering the above, the members of the Committee decided to open the Price Bids of the following four firms:

- i) M/s S. Regional Construction & Company,
- ii) M/s Indian Projects Associates,
- iii) M/s A. K. Mohanty
- iv) M/s Nirmana Construction.

It is observed that M/s Nirmana Construction have become L₁ at a total price of Rs. Rs. 80,74,607.79 against the estimated price of Rs. 85,00,481.93, which is 5.01% below the estimate.

The members of the Committee recommend to award the job to M/s Nirmana Construction at a total price of Rs. Rs. 80,74,607.79.

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

5. CONSTRUCTION OF AN OVERBRIDGE ON ROAD NO-4.

Total estimated cost = Rs. Rs. 27,24,106.45.

In response to the advertisement in News papers and NIT website, the offers from the following six firms have been received:

- i) M/s S. K. Mohanty, Rourkela
- ii) M/s Indian Projects Associates, Rourkela
- iii) M/s A. K. Mohanty, Rourkela
- iv) M/s P. C. Mohanty, Rourkela
- v) M/s Makhal Lal Agarwal, Chakradharpur
- vi) M/s S.Regional Construction & Company, Ranchi
- vii) M/s Jitendra Prasad, Rourkela

The members of the Committee opened the Technical Bid of the firms and went through the details of the Comparative Statement (Technical) indicating Registration details, experience, value of the work done during last 3 years, etc. of the firms and found that all the above mentioned firms are technically qualified.

Then members of the Committee opened the price bids in the presence of the representatives of the firms and observed that M/s S. K. Mohanty have become L₁ at a total price of Rs.Rs.25,69,649.61 against the estimated price of Rs.27,24,106.45, which is 5.67% below the estimate.

The members of the committee recommend to award the work to M/s S. K. Mohanty at a total price of Rs. Rs. 25,69,649.61.

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

6. DEVELOPMENT WORKS FOR STAFF RECREATION AND TECHNOLOGY CLUB.

Total estimated cost = Rs. Rs. 23,85,875.41.

In response to the tender notice for the above work, offers from the following four NIT registered firms have been received in 2 parts (i.e. EMD and price bid):

- i) M/s A. K. Mohanty
- ii) M/s Rourkela Fabrication Works.
- iii) M/s Parbati Engineers
- iv) M/s S. K. Sahoo

The members of the Committee opened the price bids in the presence of the representatives of the firms and observed that M/s Parbati Engineers have become L₁ at a total price of Rs. 25, 76, 745.44 against the estimated price of Rs. 23,85,875.41 which is 8% higher than the estimated price.

Considering the above, the members of the committee recommend to award the work to M/s Parbati Engineers at a value of Rs. 25, 76, 745.44.

The BWC approved the proposal.

7. CONSTRUCTION OF BOOSTER TERTIARY PUMP HOUSE, BUS SHED & CIVIL WORKS FOR BURRIED PIPING IN ACADEMIC AREA.

Total estimated cost = Rs. 35,92,102.85

In response to the advertisement in News Papers and website, offers from the following three firms have been received:

- i) M/s S. K. Mohanty, Rourkela
- ii) M/s Indian Projects Associates, Rourkela
- iii) M/s Sanjib Kumar Nayak, Rourkela

The members of the Committee went through the details of the Comparative Statement (Technical) and other documents submitted by them in respect of Registration details, experience, value of the work done during last 3 years, etc. and observed that M/s Sanjiv Kumar Nayak does not fulfil the eligibility criteria for the tender and as such not technically qualified for the work. The other two firms (i.e. M/s Indian Projects Associates and M/s S. K. Mohanty) are NIT Registered Contractors and are technically qualified for the work.

Considering the above, the members of the Committee opened the Price Bids of the following two firms:

- i) M/s S. K Mohanty
- ii) M/s Indian Projects Associates

The members of the Committee opened the price bids in the presence of the representatives of the above mentioned qualified firms and observed that M/s Indian Projects Associates, have become L₁ at a total price of Rs. 34,27,944.70 (i.e. 4.57% below the estimate) against the estimated price of Rs. 35, 92, 103.85.

The members of the Committee recommend to award the job to M/s Indian Projects Associates at a total price of Rs. 34,27,944.70 (i.e. 4.57% below the estimate).

The BWC noted that work order has been issued and work has been initiated as per proposal and BOQ approved by BWC earlier.

8. CONSTRUCTION OF TECHNOLOGY INNOVATION & INDUSTRY RELATIONS CENTRE

Estimated Cost	=	Rs. 27,99,80,089.00
Total Built up Area	=	14,335.0 sqm
Air Conditioned Area	=	6000.0 sqm

In response to the advertisement in News Papers and website, the following seven firms purchased the Tender Documents:

- a. M/s HSCL Ltd., Rourkela.
- b. Er. S. P. Padhi, Burla
- c. M/s P. D. Agarwal, Raipur
- d. M/s MARG Ltd., Chennai
- e. M/s Shapoorji Pallonji & Co. Ltd.
- f. M/s Ramkey Infrastructures Ltd.
- g. M/s Engineering Projects (I) Ltd.

A pre-bid conference was held on 25.05.2012 wherein all the points raised by the bidders were clarified and were informed in writing. Thereafter, on due date (i.e. 04-06-2012), the following three firms have submitted their tenders in 3 parts (.e. EMD, Techno Commercial bid, Price bid):

- i) M/s HSCL, Rourkela
- ii) M/s P. D. Agarwal, Raipur
- iii) Er. S. P. Padhi

The members of the Committee opened the envelopes containing the EMDs and observed that all the above mentioned firms have submitted required amount of EMD. Then, the members of the Committee opened the envelopes containing the Techno Commercial Offers. A Comparative Statement (Technical) was prepared indicating their registration, experience, value of work executed during last 5 years, etc.

The members of the Committee after going through the Comparative Statement (Technical) and other documents submitted by them observed that all of the above mentioned firms are technically qualified for the work.

Then, the members of the Committee opened the price bids on 06.06.2012 in the presence of the representatives of the above mentioned qualified firms and observed that Er. S. P. Padhi has become L₁ at a total price of Rs. 26,67,88,876.12 (i.e. 4.71% below the estimate) against the estimated price of Rs. 27,99,80,089.00.

Considering the above, the members of the Committee recommend to award the job to Er. S. P. Padhi at a total price of Rs. 26,67,88,876.12 (i.e. 4.71% below the estimate).

The BWC approved the proposal and directed the administration to proceed with the work.

[Annexure-A7, Page No.47- 55]

BWC:16(2012)-10: Construction of Roads (Ph.II):

In response to the advertisement in News Papers and NIT website the following three firms have submitted their offers:

- i) M/s Damoder Engineers Pvt. Ltd, Rourkela
- ii) M/s Jitendra Prasad, Rourkela
- iii) M/s BMP & Sons Construction Pvt. Ltd, Rourkela.

The members of the committee found all the above mentioned firm technically qualified for the work. After opening of the price bid, it is observed that Ms Jitendra Prasad have become L1 at a total price of Rs.3,59,49,689.37 (i.e. 11.25% below the estimate).

The BWC approved the proposal.

BWC:16(2012)-11: Proposal for appointment of Project Management consultant for new set of Major Projects:

The Institute is proceeding with several major projects, among them;

- a) Satish Dhawan Hall of Residence, Mechanical Engineering Building, Golden Jubilee Building and Faculty Residence. [Approximate cost Rs.28.00 crore]

Status: BOQ and Estimates received.

- b) TIIR building, Approximate cost Rs.30 crore,

Status: Contractors selected and work order ready to be issued

It is proposed to appoint project management consultants for these 2 projects. The expenditure is expected to be about 1% of project cost. But the effort should lead to substantial benefit in terms of timely completion of the projects. To start with, this may be tried with TIIR Building.

BWC may consider the proposal and recommend and to advice a method of selecting the consultants and working out the terms of the terms of the contract with them.

The BWC discussed the proposal in detail and concluded that it is an idea worth trying. It may lead to significant benefit to the Institute in terms of timely completion of projects and smooth processing of bills.

The administration was advised to put advertisement for a project management consultant of repute for the TIIR building only. The consultant may be selected by a committee approved by the Director. If successful, proposal for appointment of PMC for major projects phase-II may be considered later.

C) PROPOSAL FOR NEW PROJECTS:

BWC:16(2012)-12: 1) Construction of a dormitory for Mess & Security staff for C V Raman Hall of Residence:

After completion of the extension portion of C V Raman Hall, the capacity of the hostel will be increased to about 700. It is necessary to provide a dormitory for the female mess and security staff for this hostel. It is proposed to renovate the existing security barrack (one storeyed) adjacent to the hostel and construct one more floor over this building (Built up area = 144.00 sqm). It will cost about Rs. 25 lakhs.

The BWC approved the proposal.

2. Construction of a modern Children Park in the campus:

Construction of a staff Recreation Building has been completed in the campus. It is proposed to install a modern Children Park adjacent to this building. Tender for Expression of Interest has already been invited through advertisement in the news papers. Offers from three firms received. Tenders under finalization. It may cost approximately Rs. 15 lakh.

The BWC approved the proposal.

3. Construction of a centralized car Parking for 'F' Type Quarter (90 Nos Houses).

In view of large increase of cars by the inhabitants of 'F' Type Quarters, it is necessary to construct 30 nos. of centralized car parking for the employees. Details drawings have been prepared in house. It is estimated to cost about Rs. 30.00 lakhs.

BWC agreed to take up the task partially, i.e. only 16units in the first phase.

4. Renovation of Transit Flat Houses (18 nos.) and 'E' type flats (18 nos.):

It is necessary to renovate these quarters to bring their quality in line with other houses of comparable standard. It will cost about Rs. 90.00 lakh.

The item was deferred.

5. Provision of precast interlocking paver blocks in the berms of important roads.

Presently, black topping of Technology Avenue, Gulmohar Road and Eastern Avenue is nearing completion. There has been large increase in the student, staff and faculty strength which will further increase in due course. It is found that there is large crowd of pedestrians/students on the roads such as Academic Avenue, Gulmohar Road and Eastern Avenue.

It is therefore, necessary to provide precast interlocking concrete paver blocks on both sides of berms of these important roads so as to provide walking facility for students/pedestrians.

Total cost will be Rs. 75.00 lakhs approximately.

The item was deferred.

6. Construction of an Additional Floor over Metallurgy & Material Sciences Department.

In order to cope up with the demand for additional space for Metallurgy & Material Science Department, it is necessary to construct an additional floor over the existing building (Two storeyed). The foundation is strong enough to take the load.

Necessary scheme and drawings are under preparation in house (Increase in built up area = 510.00 sqm)

This will cost about Rs. 87.0 lakhs.

The item was deferred.

7. Construction of an additional floor over the Central Workshop Building (single storeyed).

There has been demand for additional space for Central Workshop and for installing Booster Pump House for Central Air Conditioning System. Therefore, it is decided to construct one additional floor over the existing Central Workshop Building which is a single storeyed one (Approximate Floor Area = 2500 sqm.). Necessary scheme and drawings are under preparation in house.

This will cost about Rs. 350.0 lakhs.

The item was deferred.

[Annexure-A8, Page No.56-58]

D) DEVIATIONS AND EXTRA FOR EXTRA ITEMS FOR VARIOUS WORKS:

BWC:16(2012)-13: Deviation Statement of the Work done in the N.C.C. Ground and extra items for development work.

The deviation statement of the N.C.C Ground ongoing works are given in Annexure. Work order was placed to M/s Rourkela Fabrication Works vide order No.NITR/WO/CT/21/11-12/23 dt.27.12.2011. During the course of executions, some items which are not included in the BOQ (i.e. extra items) are required to be executed as per site requirement. The details of extra items, their justification of use etc. are given in the enclosure.

The BWC examined the details of the deviations and extra items and approved the expenditure.

[Annexure-A9, Page No. 59-62]

E) MINOR WORKS:

BWC:16(2012)-14: *HOD(EM) presented the works which were completed in 2010-11 and the ongoing projects for the year 2012-13. BWC noted the contents and approved the steps taken.*

[Annexure-A10, Page No. 59-62]

F) MISCELLNEOUS ITEMS:

BWC:16(2012)-15: **Any other item with the permission of the Chair.**

The meeting ended with thanks to the Chair.

(S. K. Upadhyay)
Registrar & Secretary
Building & Works Committee

(S. K. Sarangi)
Director & Chairman
Building & Works Committee

